

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An electronic circuit comprising:
an electronic element;
a capacitor ~~for accumulating to~~ accumulate a data signal in a form of an amount of charge; and
a first transistor whose conduction state is set in accordance with the amount of charge accumulated in the capacitor, the first transistor supplying an amount of current in accordance with the conduction state to the electronic element,
the capacitor being capable of accumulating a data current and a data voltage as the data signal.
2. (Original) The electronic circuit according to Claim 1,
the data current being a multi-value data current,
the data voltage being a binary data voltage, and
the multi-value data current and the binary data voltage being supplied to the capacitor via a second transistor.
3. (Original) The electronic circuit according to Claim 1,
a third transistor being provided between a gate and a drain of the first transistor.
4. (Currently Amended) The electronic circuit according to Claim 1,
further ~~comprising~~ comprising:
a fourth transistor ~~for determining to~~ determine a timing ~~for starting to start or stopping stop~~ supply of the current to the electronic element after the conduction state of the first transistor is set according to the data signal.

5. (Currently Amended) An electronic ~~circuit~~circuit, comprising:
an electronic element;
a capacitor that is capable of accumulating a data current and a data voltage as
a data signal in a form of an amount of charge;
a first transistor whose conduction state is set in accordance with the amount
of charge accumulated in the capacitor, the first transistor supplying an amount of current in
accordance with the conduction state to the electronic element; and
a fifth transistor ~~for resetting to reset~~to reset the amount of charge held in the
capacitor to a predetermined state when the fifth transistor is turned on.
6. (Original) An electro-optical device including a plurality of scanning lines, a
plurality of data lines, and a plurality of unit circuits, the electro-optical device comprising:
a data-voltage outputting circuit that outputs binary data voltages to the
plurality of unit circuits via the plurality of data lines; and
a data-current outputting circuit that outputs data currents to the plurality of
unit circuits via the plurality of data lines.
7. (Original) The electro-optical device according to Claim 6,
the data voltages and the data currents being supplied via each of the plurality
of data lines.
8. (Currently Amended) ~~An~~The electro-optical device according to Claim 6,
the data voltages and the data currents being supplied via different data lines of
the plurality of data lines, respectively.
9. (Original) An electro-optical device comprising:
a plurality of scanning lines;
a plurality of data lines crossing the plurality of scanning lines; and

a plurality of unit circuits provided with intersections of the plurality of scanning lines and the plurality of data lines, the plurality of unit circuits driving electro-optical elements in accordance with data signals supplied via the plurality of data lines,

digital data and analog data being generated as the data signal, and

three or more luminances being able to be set using the digital data.

10. (Original) The electro-optical device according to Claim 9,

the digital data being a voltage signal, and

the analog data being a current signal.

11. (Original) The electro-optical device according to Claim 9,

the digital data setting a luminance when the electro-optical device is in a low-power-consumption mode, and

the analog data setting a luminance when the electro-optical device is in a non-low-power-consumption mode.

12. (Original) The electro-optical device according to Claim 9,

a luminance level being any one of a first level and a second level when the digital data is supplied to the plurality of unit circuits, and

luminance being determined according to an accumulated length of any one of the first level and the second level within length of a predetermined period.

13. (Original) The electro-optical device according to Claim 6,

the electro-optical elements being EL elements.

14. (Original) The electro-optical device according to Claim 13,

each of the EL elements having a light-emitting layer that is composed of an organic material.

15. (Currently Amended) An electro-optical ~~device comprising device,~~
comprising:

~~a display,~~ a display; and

an image being able to be displayed using a plurality of different gray-scale methods.

16. (Currently Amended) A method of driving an electro-optical device including a plurality of scanning lines, a plurality of data lines, and a plurality of unit circuits each including an electro-optical element, the method, comprising:

generating a binary data voltage ~~for allowing to allow~~ a digital gray scale method when the electro-optical device is in a low-power-consumption mode, and

generating a multi-value data current ~~for allowing to allow~~ an analog gray scale when the electro-optical device is in a non-low-power consumption mode.

17. (Currently Amended) A method of driving an electro-optical device including a plurality of scanning lines, a plurality of data lines, and a plurality of unit circuits each including an electro-optical element, the method, comprising:

outputting digital data ~~for allowing to allow~~ a digital gray scale to the plurality of data lines when the electro-optical device is in a first display mode; and

outputting analog data ~~for allowing to allow~~ an analog gray scale to the plurality of data lines when the electro-optical device is in a second display mode.

18. (Currently Amended) The method of driving an electro-optical device according to Claim 16,

the digital gray scale method ~~allows-allowing~~ setting of three or more luminances.

19. (Currently Amended) The method of driving an electro-optical device according to ~~of~~ to Claim 16,

a luminance level in the digital gray scale method being any one of a first level or a second ~~level, level; and~~

luminance being determined according to an accumulated length of time in which the luminance level is at the first level or the second level within length of a predetermined period.

20. (Currently Amended) An electronic ~~apparatus comprising apparatus,~~
comprising:

an the electro-optical device according to Claim 6.